

# PROOF OF PRODUCT (POP)

\*\*Date:\*\* 2025-05-08  
\*\*POP Reference No.:\*\* [pop\_reference]

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Witness / Notary Number	7066

## Vessel Identification and Technical Details

Vessel Identification		Registry Information	
IMO Number	IMO8303523	Flag State	France
Vessel Type	MT Bering Strait	Call Sign	I6FRXY
Year Built	2000	Vessel Owner	MV Hapag-Lloyd Express
Length Overall (LOA)	332 m	Vessel Operator / Manager	MT Evergreen Harmony
Beam (Width)	32 m	ISM Manager	Product Shipping Ltd
Draft	18.5 m	Registry Port	Port of Laem Chabang
Technical Specifications		Capacity Details	
Gross Tonnage (GT)	68948 GT	Deadweight (DWT)	180008 DWT
Net Tonnage (NT)	51114 NT	Cargo Capacity (m³ / barrels)	124301 m³
Classification Society	RS	Number of Cargo Tanks	21 tanks
Main Engine Type	Yanmar	Pumping Capacity (m³/hr)	1154 m³/h
Speed (knots)	13.9 knots		

### 1. Seller Information

Company Name	Wan Hai Lines Ltd
Registration Number	[seller_registration]
Address	[seller_address]
Tel/Fax	[seller_tel]
Email	bunkers@safebulk.com

Authorized Representative	[seller_representative]
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## 2. Buyer Information

Company Name	Pangaea Logistics Solutions
Registration Number	REG-538474
Address	147 Maritime Plaza, Port District
Tel/Fax	[buyer_tel]
Email	chartering@seaspan.com
Authorized Representative	[buyer_representative]

## 3. Product Details

Commodity	Very Low Sulfur Fuel Oil (VLSFO)
Specification Standard	EN 14214
Origin	Port of Tanjung Pelepas
Port of Loading	Port of Constanta
Port of Discharge	Port of Hamburg
Quantity	[contract_quantity]
Delivery Terms	MT Caribbean Explorer

## 4. Product Technical Specifications (Laboratory Analysis)

Parameter	Unit	Result	Test Method
API Gravity @ 60°F	°API	[api_gravity]	ASTM D287
Specific Gravity @ 15°C	g/cm <sup>3</sup>	[specific_gravity]	ASTM D1298
Density @ 15°C	kg/m <sup>3</sup>	863.8 kg/m <sup>3</sup> @ 15°C	ASTM D4052
Sulfur Content (Total)	% wt	0.067%	ASTM D4294
Flash Point (PMCC)	°C	61°C	ASTM D93
Pour Point	°C	-39°C	ASTM D97
Cloud Point	°C	[cloud_point]	ASTM D2500
Viscosity @ 40°C	cSt	[viscosity_40]	ASTM D445
Viscosity @ 100°C	cSt	[viscosity_100]	ASTM D445
Kinematic Viscosity Index	-	[viscosity_index]	ASTM D2270
Cetane Number	-	51.2	ASTM D613
Octane Number (RON)	-	9029	ASTM D2699
Water Content	ppm	0.031%	ASTM D6304
Sediment & Particulates	% wt	[sediment]	ASTM D473
Ash Content	% wt	0.010%	ASTM D482
Carbon Residue (Conradson)	% wt	[carbon_residue]	ASTM D189
Nickel (Ni) Content	ppm	[nickel]	ICP-OES

<b>Vanadium (V) Content</b>	ppm	[vanadium]	ICP-OES
<b>Sodium (Na) Content</b>	ppm	[sodium]	ASTM D8110
<b>Nitrogen Content</b>	ppm	[nitrogen]	ASTM D5762
<b>Aromatics Content</b>	% vol	[aromatics]	ASTM D1319
<b>Olefins Content</b>	% vol	[olefins]	ASTM D1319
<b>Oxygenates (MTBE/ETBE)</b>	% vol	[oxygenates]	GC-MS
<b>Distillation (IBP)</b>	°C	[dist_ibp]	ASTM D86
<b>Distillation (10% Recovery)</b>	°C	[dist_10]	ASTM D86
<b>Distillation (50% Recovery)</b>	°C	[dist_50]	ASTM D86
<b>Distillation (90% Recovery)</b>	°C	[dist_90]	ASTM D86
<b>Distillation (Final Boiling Pt)</b>	°C	[dist_fbp]	ASTM D86
<b>Residue After Distillation</b>	% vol	[dist_residue]	ASTM D86
<b>Lubricity (HFRR @ 60°C)</b>	µm	[lubricity]	ISO 12156
<b>Cold Filter Plugging Point</b>	°C	[cfpp]	EN 116
<b>Smoke Point (Jet Fuel)</b>	mm	[smoke_point]	ASTM D1322
<b>Net Calorific Value</b>	MJ/kg	[calorific_value]	ASTM D4809

## 5. Proof of Product Documents Provided

1. Copy of License to Export
2. Copy of Title Ownership Certificate
3. Copy of Refinery Commitment to Supply
4. Copy of Statement of Product Availability
5. Copy of Tank Storage Receipt (TSR)
6. Copy of Recent SGS Report
7. Copy of Charter Party Agreement (CPA)
8. Copy of Bill of Lading (B/L)

## 6. Certification & Declaration

We, the undersigned, hereby confirm under penalty of perjury that the above-stated product is available and that the documents listed are genuine, verifiable, and issued in good faith.

**\*\*For and on behalf of the Seller\*\***

Signature:

Name: [seller\_signatory]

Title: [seller\_title]

Date: 2025-05-08

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